

EEEEEEEEEEEEEEEE	DDDDDDDDDDDDDD	TTTTTTTTTTTTTTTT
EEEEEEEEEEEEEEEE	DDDDDDDDDDDDDD	TTTTTTTTTTTTTTTT
EEEEEEEEEEEEEEEE	DDDDDDDDDDDDDD	TTTTTTTTTTTTTTTT
EEE	DDD	TTT
EEE	DDD	TTT
EEE	DDD	TTT
EEE	DDD	TTT
EEE	DDD	TTT
EEE	DDD	TTT
EEEEEEEEEEEEEE	DDD	TTT
EEEEEEEEEEEEEE	DDD	TTT
EEEEEEEEEEEEEE	DDD	TTT
EEE	DDD	TTT
EEE	DDD	TTT
EEE	DDD	TTT
EEE	DDD	TTT
EEE	DDD	TTT
EEEEEEEEEEEEEEEE	DDDDDDDDDDDDDD	TTT
EEEEEEEEEEEEEEEE	DDDDDDDDDDDDDD	TTT
EEEEEEEEEEEEEEEE	DDDDDDDDDDDDDD	TTT

```
WW      WW      FFFFFFFF      SSSSSSSS      TTTTTTTTTT      RRRRRRRR      IIIIII      NN      NN      SSSSSSSS
WW      WW      FFFFFFFF      SSSSSSSS      TTTTTTTTTT      RRRRRRRR      IIIIII      NN      NN      SSSSSSSS
WW      WW      FF      SS      TT      RR      RR      NN      NN      SS
WW      WW      FF      SS      TT      RR      RR      NN      NN      SS
WW      WW      FF      SS      TT      RR      RR      NNNN      NN      SS
WW      WW      FF      SSSSSS      TT      RRRRRRRR      II      NN      NN      SSSSSS
WW      WW      FFFFFFFF      SSSSSS      TT      RRRRRRRR      II      NN      NN      SSSSSS
WW      WW      FFFFFFFF      SS      TT      RR      RR      NN      NN      SS
WW      WW      FF      SS      TT      RR      RR      NN      NN      SS
WW      WW      FF      SS      TT      RR      RR      NN      NN      SS
WW      WW      FF      SSSSSSSS      TT      RR      RR      NN      NN      SSSSSSSS
WW      WW      FF      SSSSSSSS      TT      RR      RR      NN      NN      SSSSSSSS
```

```
LL      IIIIII      SSSSSSSS
LL      IIIIII      SSSSSSSS
LL      II      SS
LL      II      SS
LL      II      SS
LL      II      SS
LL      II      SSSSSS
LL      II      SSSSSS
LL      II      SS
LL      II      SS
LL      II      SS
LL      II      SS
LLLLLLLLLL      IIIIII      SSSSSSSS
LLLLLLLLLL      IIIIII      SSSSSSSS
```

```
0001 0 %TITLE 'EDT$WFSTRINS - start an INSERT operation'
0002 0 MODULE EDT$WFSTRINS ( ! Start an INSERT operation
0003 0 IDENT = 'V04-000' ! File: WFSTRINS.BLI Edit: JBS1003
0004 0 ) =
0005 1 BEGIN
0006 1
0007 1 *****
0008 1 *
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0026 1 *
0027 1 *
0028 1 *****
0029 1
0030 1
0031 1 ++
0032 1 FACILITY: EDT -- The DEC Standard Editor
0033 1
0034 1 ABSTRACT:
0035 1
0036 1 Start an INSERT operation.
0037 1
0038 1 ENVIRONMENT: Runs at any access mode - AST reentrant
0039 1
0040 1 AUTHOR: Bob Kushlis, CREATION DATE: October 16, 1978
0041 1
0042 1 MODIFIED BY:
0043 1
0044 1 1-001 - Original. DJS 23-Feb-1981. This module was created by
0045 1 extracting routine EDT$$START_INS from module EDTWF.
0046 1 1-002 - Regularize headers. JBS 19-Mar-1981
0047 1 1-003 - Improve the appearance of the listing. JBS 20-Jun-1983
0048 1 --
0049 1
```

EDT\$WFSTRINS  
V04-000

EDT\$WFSTRINS - start an INSERT operation  
Declarations

G 16  
16-Sep-1984 02:15:40  
14-Sep-1984 12:25:45

VAX-11 Bliss-32 V4.0-742  
DISK\$VMMASTER:[EDT.SRC]WFSTRINS.BLI;1  
Page 2  
(2)

```

51      0050 1  %SBTTL 'Declarations'
52      0051 1  |
53      0052 1  | TABLE OF CONTENTS:
54      0053 1  |
55      0054 1  |
56      0055 1  REQUIRE 'EDT$SRC:TRAROUNAM';
57      0494 1  |
58      0495 1  FORWARD ROUTINE
59      0496 1  EDT$$START_INS : NOVALUE;
60      0497 1  |
61      0498 1  |
62      0499 1  | INCLUDE FILES:
63      0500 1  |
64      0501 1  |
65      0502 1  REQUIRE 'EDT$SRC:EDTREQ';
66      0637 1  |
67      0638 1  |
68      0639 1  | MACROS:
69      0640 1  |
70      0641 1  |     NONE
71      0642 1  |
72      0643 1  | EQUATED SYMBOLS:
73      0644 1  |
74      0645 1  |     NONE
75      0646 1  |
76      0647 1  | OWN STORAGE:
77      0648 1  |
78      0649 1  |     NONE
79      0650 1  |
80      0651 1  | EXTERNAL REFERENCES:
81      0652 1  |
82      0653 1  |     In the routine

```



```

84 0654 1 %SBTTL 'EDT$$START_INS - start an INSERT operation'
85 0655 1
86 0656 1 GLOBAL ROUTINE EDT$$START_INS ! Start an INSERT operation
87 0657 1 : NOVALUE =
88 0658 1
89 0659 1 ++
90 0660 1 FUNCTIONAL DESCRIPTION:
91 0661 1
92 0662 1 This routine is called to start the insertion of text. The new lines
93 0663 1 will be inserted immediately before the current line. The insert
94 0664 1 count, EDT$$L_WK_INSCNT, is set to zero, and the numbers of the current and
95 0665 1 preceding lines are saved.
96 0666 1
97 0667 1 FORMAL PARAMETERS:
98 0668 1
99 0669 1 NONE
100 0670 1
101 0671 1 IMPLICIT INPUTS:
102 0672 1
103 0673 1 EDT$$A_WK_LN
104 0674 1 EDT$$L_WK_NXTLNO
105 0675 1 EDT$$L_WK_STARTNO
106 0676 1 EDT$$L_LNO_ZERO
107 0677 1
108 0678 1 IMPLICIT OUTPUTS:
109 0679 1
110 0680 1 EDT$$L_WK_INSCNT
111 0681 1
112 0682 1 ROUTINE VALUE:
113 0683 1
114 0684 1 NONE
115 0685 1
116 0686 1 SIDE EFFECTS:
117 0687 1
118 0688 1 NONE
119 0689 1
120 0690 1 --
121 0691 1
122 0692 2 BEGIN
123 0693 2
124 0694 2 EXTERNAL ROUTINE
125 0695 2 EDT$$RD_PRVLN,
126 0696 2 EDT$$RD_NXTLN;
127 0697 2
128 0698 2 EXTERNAL
129 0699 2 EDT$$L_WK_INSCNT : LN_BLOCK, ! The count of inserted lines
130 0700 2 EDT$$A_WK_LN : REF LN_BLOCK, ! Pointer to current line
131 0701 2 EDT$$L_WK_NXTLNO : LN_BLOCK, ! Line number following an insert
132 0702 2 EDT$$L_WK_STARTNO : LN_BLOCK, ! Line number of line preceding an insert
133 0703 2 EDT$$L_LNO_ZERO : LN_BLOCK;
134 0704 2
135 0705 2 ++
136 0706 2 Zero out the insert line counter
137 0707 2 --
138 0708 2 MOVELINE (EDT$$L_LNO_ZERO, EDT$$L_WK_INSCNT);
139 0709 2 ++
140 0710 2 Save the current line number, bucket number, and line address
```

EDT\$WFSTRINS  
V04-000

EDT\$WFSTRINS - start an INSERT operation  
EDT\$\$START\_INS - start an INSERT operation

I 16  
16-Sep-1984 02:15:40  
14-Sep-1984 12:25:45

VAX-11 Bliss-32 V4.0-742  
DISK\$VMSMASTER:[EDT.SRC]WFSTRINS.BLI;1 (3) Page 4

```

141 0711 2 !-
142 0712 2 !- MOVELINE (EDT$$A_WK_LN [LIN_NUM], EDT$$L_WK_NXTLNO);
143 0713 2 !-
144 0714 2 !- Find the previous line number.
145 0715 2 !-
146 0716 2 !-
147 0717 2 !- IF EDT$$RD_PRVLN (
148 0718 2 !- THEN
149 0719 2 !- BEGIN
150 0720 2 !- MOVELINE (EDT$$A_WK_LN [LIN_NUM], EDT$$L_WK_STARTNO);
151 0721 2 !- EDT$$RD_NXTLN (
152 0722 2 !- END
153 0723 2 !- ELSE
154 0724 2 !-
155 0725 2 !- Make the previous line number 0 if the insert is at the beginning of the buffer.
156 0726 2 !-
157 0727 2 !- MOVELINE (EDT$$L_LNO_ZERO, EDT$$L_WK_STARTNO)
158 0728 2 !-
159 0729 1 !- END;

```

! of routine EDT\$\$START\_INS

.TITLE EDT\$WFSTRINS EDT\$WFSTRINS - start an INSERT operation

.IDENT \V04-000\

.EXTRN EDT\$\$RD\_PRVLN, EDT\$\$RD\_NXTLN  
.EXTRN EDT\$\$L\_WK\_INSCNT  
.EXTRN EDT\$\$A\_WK\_LN, EDT\$\$L\_WK\_NXTLNO  
.EXTRN EDT\$\$L\_WK\_STARTNO  
.EXTRN EDT\$\$L\_LNO\_ZERO

.PSECT \_EDT\$CODE, NOWRT, SHR, PIC, 2

```

.ENTRY EDT$$START_INS, Save R2,R3,R4,R5,R6,R7,R8 : 0656
MOVAB EDT$$L_LNO_ZERO, R8
MOVAB EDT$$L_WK_STARTNO, R7
MOVAB EDT$$A_WK_LN, R6
MOVAB EDT$$L_WK_INSCNT, R5 : 0708
MOVAB EDT$$L_WK_NXTLNO, R4 : 0712
CALLS #0, EDT$$RD_PRVLN : 0717
BLBC R0, 1$
MOVAB EDT$$A_WK_LN, R0 : 0720
MOVAB #6, 1(R0), EDT$$L_WK_STARTNO : 0721
CALLS #0, EDT$$RD_NXTLN : 0727
RET : 0729
MOVAB #6, EDT$$L_LNO_ZERO, EDT$$L_WK_STARTNO

```

; Routine Size: 74 bytes, Routine Base: \_EDT\$CODE + 0000

```

160 0730 1
161 0731 1 !<BLF/PAGE>

```

EDT\$WFSTRINS  
V04-000

EDT\$WFSTRINS - start an INSERT operation  
EDT\$\$START\_INS - start an INSERT operation

J 16  
16-Sep-1984 02:15:40  
14-Sep-1984 12:25:45

VAX-11 Bliss-32 V4.0-742  
DISK\$VMSMASTER:[EDT.SRC]WFSTRINS.BLI;1 Page 5 (4)

: 163 0732 1 END  
: 164 0733 1  
: 165 0734 0 ELUDOM

! of module EDT\$WFSTRINS

# PSECT SUMMARY

Name	Bytes	Attributes
_EDT\$CODE	74	NOVEC,NOWRT, RD , EXE, SHR, LCL, REL, CON, PIC,ALIGN(2)

# Library Statistics

File	----- Total	Symbols Loaded	----- Percent	Pages Mapped	Processing Time
\$255\$DUA28:[EDT.SRC]EDT.L32;1	377	14	3	40	00:00.2
\$255\$DUA28:[EDT.SRC]PSECTS.L32;1	2	1	50	7	00:00.1

# COMMAND QUALIFIERS

BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/NOTRACEBACK/LIS=LIS\$:WFSTRINS/OBJ=OBJ\$:WFSTRINS MSRC\$:WFSTRINS.BLI/UPDATE=(ENH\$:WFSTRINS)

: Size: 74 code + 0 data bytes  
: Run Time: 00:10.2  
: Elapsed Time: 00:12.4  
: Lines/CPU Min: 4330  
: Lexemes/CPU-Min: 12483  
: Memory Used: 64 pages  
: Compilation Complete



0141 AH-BT13A-SE  
VAX/VMS V4.0

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